

maxell

DC 3000

***Universal
Lithium-Ion
Digital
Camera
Battery
Charger***



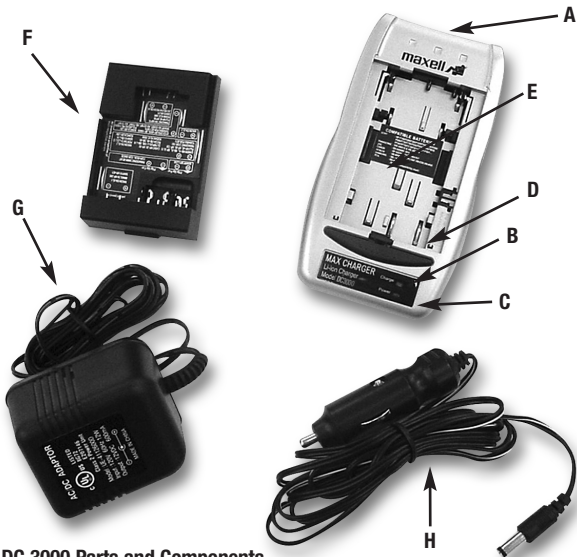
INTRODUCTION

Thank you for purchasing the Maxell DC 3000 Universal Lithium Ion Digital Camera Battery Charger. With the supplied AC adaptor (for use with a standard wall outlet) or the 12V car cord, you can quickly charge your Lithium Ion digital camera batteries safely and effectively at home or in the car.

FEATURES

- Precision end-of-charge voltage detection assures a full charge every time
- "Top-off" function trickle charges to maintain a full charge
- LED indicator displays charger mode
- Defective battery detection identifies faulty battery and halts charging
- Overcharge protection

Important: Please read the following instructions before using the charger for the first time.



DC 3000 Parts and Components

- A.** Power Input Socket
- B.** Charge Status Indicator
- C.** Power Indicator
- D.** Battery/Adaptor Plate Latch
- E.** Charging Bay and Sony type Battery Contacts

- F.** Universal Battery Charging Adapter
- G.** AC Adaptor
- H.** 12 VDC Car Cord

OPERATING INSTRUCTIONS

Power the DC 3000

Connect the AC Adaptor **(G)** plug to the Power Input Jack **(A)**. Plug the AC Adaptor into any standard household outlet (see figure 2a). The red Power Indicator **(C)** will turn on.

To use in a car, connect the 12V DC Car Cord **(H)** plug to the Power Input jack **(A)**. Insert the cigarette lighter adaptor into the cigarette lighter socket of the vehicle (see figure 2b). The red Power Indicator **(C)** will turn on.

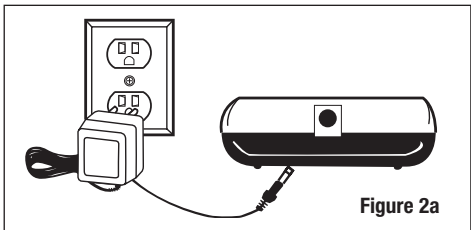


Figure 2a

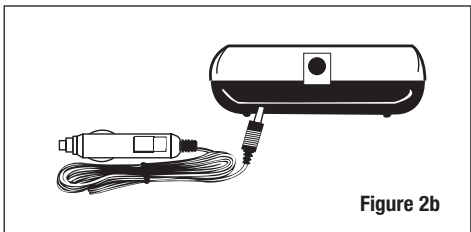


Figure 2b

MOUNTING THE BATTERY

Warning: For use with *Lithium Ion batteries ONLY*. **DO NOT** use with *Nickel Cadmium (NiCd)* or *Nickel Metal Hydride (NiMH)* batteries.

Align the contacts on your battery with the appropriate contacts on the charger. Follow the guides on your battery and the charger to slide the battery into place in the charging bay (E). For some battery models, you will either press the battery down and then slide it up (away from the indicator light panel), or you will slide the battery up and then press it down (see figures 3a and 3b). Either way, the battery should slide easily into place - if it does not, do not force the battery into place; simply realign the guides and try again.

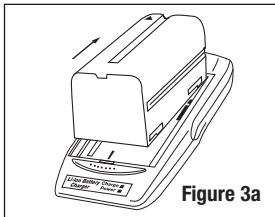


Figure 3a

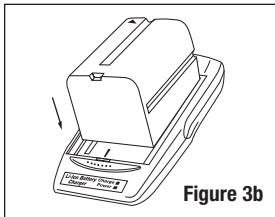


Figure 3b

USING THE UNIVERSAL ADAPTER PLATE

Some battery models will require the use of the Universal Adapter Plate (F). To install, slide the central notch on the Adaptor Plate's upper edge into the slot on the upper edge of the charging bay (E), then press down on the Plate's lower edge - the Plate will snap firmly in place (see figures 4a and 4b). To remove the Plate, pull down on the Battery/Adaptor Plate Latch (D).



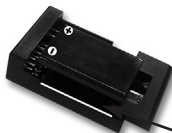
Figure 4a



Figure 4b

Before installing the battery onto the plate, check the polarity signs (+ and -) on the battery. Locate the alignment guide and polarity positions on the Universal Adapter Plate (F) for the battery you are going to charge. Pull the sliding grip at the lower side of the plate out. Install the battery so the contacts meet the contacts on the adaptor plate, while aligning the side of the battery to one of the alignment guides on the Universal Adapter Plate. Release the sliding grip gently and the battery will be securely held in place. Follow the instructions on the Universal Adapter Plate for various alignment guides and contact positions (see figures 5 to 10)

Note: Make sure the battery + and - contacts align properly with the + and - contacts on the adapter plate, reversing the polarity may cause damage to the battery pack or the charger.



5a



5b

For:
Casio, Ricoh, Canon,
Olympus, Konica,
Panasonic, Toshiba,
Nikon, Kodak, Pentax, etc.



6a



6b

For:
Nikon, EN-EL3 and
equivalent.

Align



7a



7b

For:
Nikon, EN-EL1 and
equivalent, Minolta
NP200 and equivalent.

Align



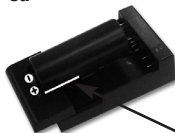
8a



8b

For:
Kycocera, Konica Polaroid,
etc.

Align



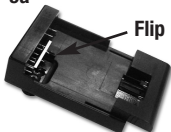
9a



9b

For:
Fuji NP-80, NP-100
and equivalents,
Panasonic VW-VBP10
and equivalent.

Align



10a



10b

For:
Sharp BP-L226 and
equivalents, Panasonic
DMW-BCA & CGR-S602
and equivalents.

Align

CHARGING THE BATTERY

As soon as the battery is properly connected, charging begins, as indicated by the green blinking light of the Charge Status Indicator (B). When charging is complete, the Charge Status Indicator stops flashing and remains solid green. At this point, the battery can be removed for use. It is recommended, however, that you leave the battery connected to the DC 3000 for another 30 minutes to ensure a full, or "topped off", charge.

DEFECTIVE BATTERY DETECTION

The charger has built-in defective battery detection sensors. If the battery does not attain a full charge within 8 hours, is overcharged or if it is fully discharged, the Power and Charge Status Indicators will flash.

Troubleshooting

Problem

No Indicator Lights

Possible Cause/Solution

Confirm that the AC Adapter is firmly connected at both ends (wall and Power Input Jack)

Confirm wall outlet is functioning

Confirm that the Car Cord is firmly connected at both ends (cigarette lighter socket and Power Input Jack)

Check fuse in Car Cord (under the screw-off tip of the cigarette lighter adapter)

Power Light Only

Battery is already fully charged

See Note Next Page

Battery mounted incorrectly

Remove and remount battery

Clean battery/DC 3000 contacts

**Power and Charge
Status Indicators Both Blink
After 8 Hours of Charge**

Defective battery

**Power and Charge Status
Indicators Both Blink Within
1 minute of Charge Start**

Battery is overcharged
See Note Next Page
Defective battery
See Note Next Page

**Hissing Noise in
Charge Mode**

Normal operation due to advance
switching circuitry

NOTE: To determine if the battery is overcharged or defective, place it on the digital camera and turn the digital camera on. If the digital camera does not come on, the battery is probably defective. If the digital camera does not operate, leave the power turned on for 30+ minutes, then remove the battery and put it on the charger; the charger should go into charge mode, indicated by the blinking green Charge Status Indicator **(B)**.

Safety and Maintenance

DO NOT use the DC 3000 inside a drawer or closed cabinet, or cover with a cloth. The DC 3000 will become slightly warm in use but, if contained, the heat may damage the DC 3000 and/or battery pack.

DO NOT attempt to open the DC 3000; doing so will void your warranty.

DO NOT allow moisture of any kind to come in contact with the DC 3000, Never immerse the unit.

DO NOT store the DC 3000 where it may be exposed to extreme temperatures; avoid placing in direct sunlight. High temperatures can shorten the life of electronic devices, damage batteries and warp or melt plastics.

DO NOT short circuit the output terminal or contacts.

DO NOT drop the unit; a severe jolt can cause permanent damage and is not covered by the warranty.

If the DC 3000 must be cleaned, be sure it is unplugged, and then wipe the body of the unit with a clean cloth lightly dampened with mild detergent. Use a clean cloth lightly dampened with rubbing alcohol to clean the metal contacts.

Technical Specifications

Input:	12V DC
Standby Current:	30 mA
Charge Current:	800 mA @constant current mode
Charge Termination:	Fixed voltage (4.2V for 3.6V battery, 8.4V for 7.2 battery)

Maxell Limited Warranty

Maxell Corporation of America warrants this product to the original purchaser against defects in material and workmanship for a period of one year from the date of purchase. Maxell will, at its option, repair or replace the defective product at no cost to you during the warranty period. The warranty will not apply if the unit has been subject to accident, misuse, abuse, disassembly, alteration or opened contrary to the instructions contained in the accompanying manual. To obtain warranty service, proof of purchase in the form of retailer's bill of sale or invoice must be presented as evidence that the unit is within the warranty period. The product must be packaged either in its original packaging or in such a way as to reasonably protect it from shipping damage. Product should be sent prepaid to: Maxell Corporation of America, P.O. Box 900, Fair Lawn, NJ 07410-0900.

All trademarks and/or brands are the property of their respective owners.

maxell

MAXELL CORPORATION OF AMERICA

22-08 ROUTE 208

FAIR LAWN, NEW JERSEY 07410

MADE IN CHINA